

## Case Study

# Red Rooster Kiama saves 12% of energy costs with PowerSines

### MARKET REQUIREMENTS

The Red Rooster branch located on one of the busiest corners in the center of Kiama, Australia, is a local landmark, operating more than 15 years as part of the Red Rooster Restaurant Chain.

With an annual power bill of over \$30,000 and with electricity prices rising, an innovative approach for saving power which will reduce the energy bill was needed. The owner, Mr. Steve Willis, had searched for a practical solution to lower electricity expenses and decrease the associated maintenance costs. Furthermore, Mr. Willis is deeply involved with the local community and was also interested in contributing to the protection of the environment by reducing the amount of CO<sub>2</sub> emissions generated by his facility.

### SOLUTION

The Red Rooster store has an immense and varied electrical load generated by a large inventory of refrigeration, kitchen equipment and A/C systems. The PowerSines ComEC VS voltage optimizer, which is used in hundreds of fast foods branches in Europe and in an increasing number of Australian sites, was identified by Nulux, PowerSines' Australian Distributor, as the most suitable energy-saving solution for the premises. It was chosen as the preferred system due to a quick and easy installation near the main switchboard. The set up and activation took place without changes to the existing electrical infrastructure and with no interruptions to the routine of the business.

ComEC VS 125A ensures that all voltage supplied to the facility is continually controlled and stabilized, enabling the equipment to operate normally but with significantly reduced energy consumption. ComEC VS helps preventing equipment failures, extends equipment lifetime and reduces maintenance costs.

The commissioned unit of ComEC VS is equipped with PowerSines Remote EMS (energy management system) which runs on a cloud platform. This enables the site's administration to have a flexible management solution and full visibility, accessible from anywhere, anytime and over any platform.

12% direct saving in electricity expenses

Voltage stabilization and over-voltage elimination

Increased equipment lifespan and reduced maintenance costs

Mounted onto existing electrical infrastructure

IoT Cloud enables remote Energy Management and control (EMS)

Reduction of CO<sub>2</sub> emissions



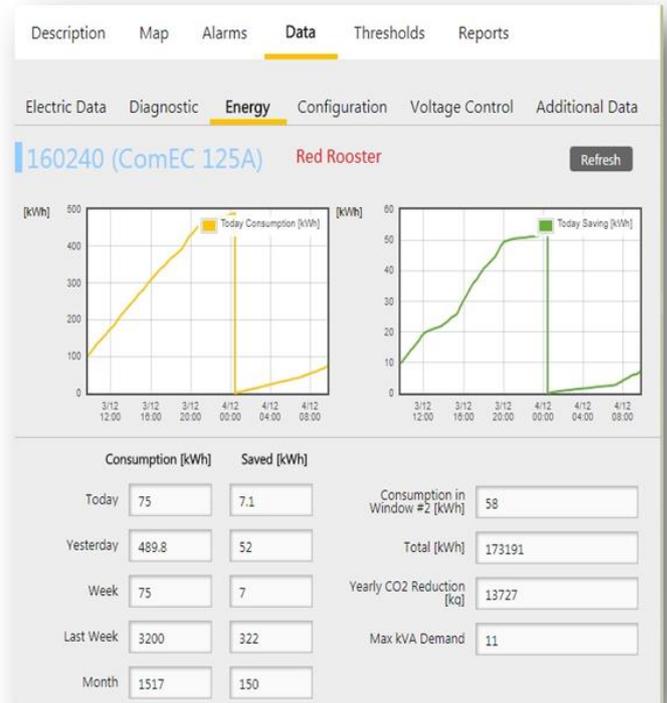
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## RESULTS

A six-month trial had been conducted with PowerSines' ComEC VS 125A installed at the facility. At the end of the trial period, Mr. Willis, the owner, had indicated that *"the Kiama Red Rooster branch saved 12% on variable energy costs, reducing the annual electricity bills by over \$4,000. With rising energy prices, these savings will increase further. Such level of saving is very significant for our business."*

Mr. Willis had added that *"we also noted substantial indirect savings which were attributed to decrease in equipment failure, and to lowered maintenance and replacement costs. And, last, but not least, it gives me great pleasure to know that with ComEC VS installed, our branch also achieves a notable, annual reduction of 26 tons of CO2 emissions, which is contributing to a greener planet."*



PowerSines Remote EMS Screen

